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EUROPEAN PATENT APPLICATION

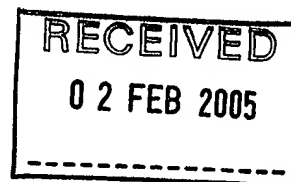
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(54) Implantable prosthesis

(57) An implantable prosthesis (20) for repairing a tissue or muscle wall defect is disclosed. The implantable prosthesis comprises a layer of repair fabric (22) that is susceptible to the formation of adhesions with tissue and organs, the layer of repair fabric including an inner body with a first surface and an outer margin extending from the inner body, the outer margin including an outer

peripheral edge, each of the inner body and the outer peripheral edge having a thickness, the thickness of the outer peripheral edge being less than the thickness of the inner body, and a barrier layer (24) that inhibits the formation of adhesions with tissue and organs. The barrier layer is configured to inhibit the formation of adhesions between at least a portion of the first surface and adjacent tissue and organs.

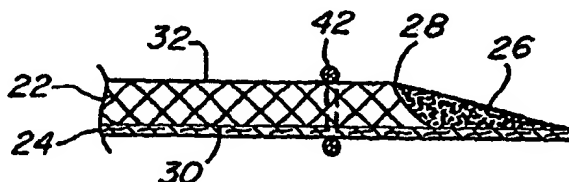


Fig. 3

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EUROPEAN SEARCH REPORT

Application Number
EP 04 02 0837

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 954 767 A (PAJOTIN DOCTEUR PHILIPPE ET AL) 21 September 1999 (1999-09-21) * column 2, line 47 - column 2, line 50; claim 9; figures 1,2 *	1-5,13,16	A61F2/00
A	EP 0 692 225 A (MEADOX MEDICALS INC) 17 January 1996 (1996-01-17) * page 2, line 50 - page 2, line 53 * * page 4, line 40 - page 4, line 44; claims 1,4-7; figure 2a *	1,10,11,15-17,21	
P,A	WO 01/08594 A (NICOLLO ENRICO ; BARD INC C R (US)) 8 February 2001 (2001-02-08) * page 4, line 26 - page 5, line 16; claims 1,2,4,5,8; figures 1a,1b,2a,2b,3a,3b *	1,6-8,10,11,15-17	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61F
Place of search		Date of completion of the search	Examiner
Munich		3 November 2004	Merté, B
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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ON EUROPEAN PATENT APPLICATION NO.**

EP 04 02 0837

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03-11-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5954767	A	21-09-1999	FR 2709947 A1	24-03-1995
			DE 69431730 D1	19-12-2002
			DE 69431730 T2	17-07-2003
			EP 0746267 A1	11-12-1996
			ES 2186692 T3	16-05-2003
			WO 9507666 A1	23-03-1995
			US 6368541 B1	09-04-2002

EP 0692225	A	17-01-1996	AU 2165795 A	21-12-1995
			CA 2151448 A1	16-12-1995
			EP 0692225 A2	17-01-1996
			FI 952751 A	16-12-1995
			JP 8038521 A	13-02-1996

WO 0108594	A	08-02-2001	AU 777027 B2	30-09-2004
			AU 6391200 A	19-02-2001
			CA 2379215 A1	08-02-2001
			EP 1200010 A1	02-05-2002
			JP 2003505191 T	12-02-2003
			WO 0108594 A1	08-02-2001
			US 2003083543 A1	01-05-2003
			US 6497650 B1	24-12-2002

EPO FORM P069

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